

CLAIMS:

1. A colour display device (1) comprising a cathode ray tube comprising a display screen (3), a means for generating at least one electron beam (6) and a deflection unit (11) for generating deflection fields for deflecting electron beam(s) (7, 8, 9) across the display screen (3) in two perpendicular directions (x, y) and having magnetic field-generating means (26, 25) at or near a display screen-facing end of the deflection unit for generating a magnetic field to reduce raster distortions, characterized in that the permanent magnets (25, 26) are made of a material having a negative temperature coefficient for the magnetic remanence (B(G)), said magnets being provided with a compensating shunt (25a, 26a) to increase the temperature coefficient of the magnetic remanence.
2. A colour display device as claimed in claim 1, characterized in that the combination of magnet and shunt has a magnetic remanance which is substantially constant between room temperature and approximately 60 °C.
3. A colour display device as claimed in claim 1, characterized in that the combination of magnet and shunt has a magnetic remanance which increases as the temperature increases from room temperature.
4. A colour display device as claimed in claim 3, characterized in that the magnetic remanence shows a maximum between 40 and 70 °C.
5. A deflection unit for a display device as claimed in any one of the preceding claims.